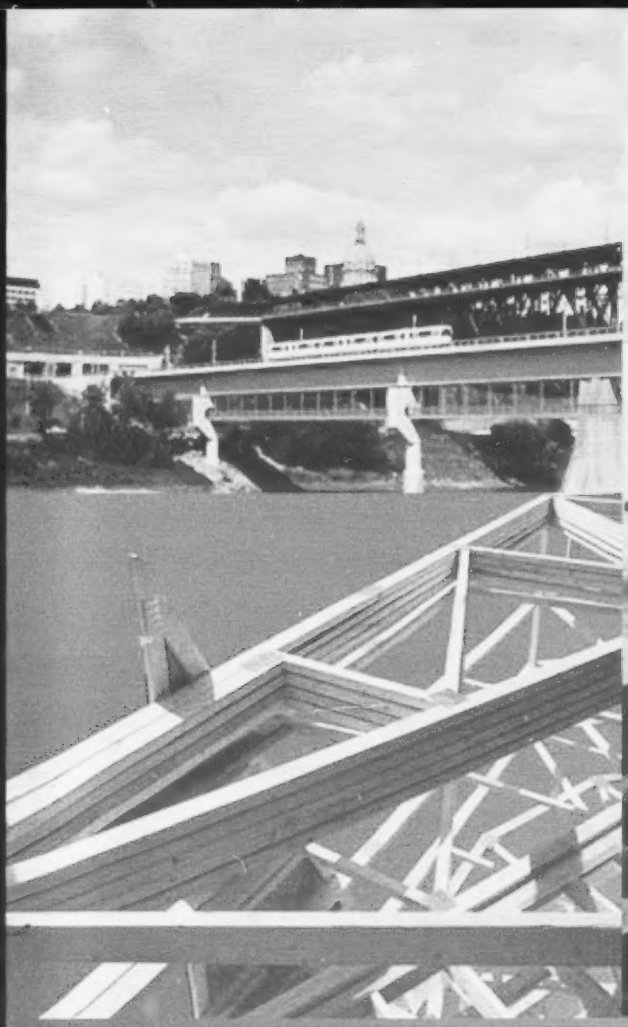

INDUSTRY PROFILES

Construction Industry

2014

Alberta

Overview:

The Construction industry[1] in Alberta includes establishments that:

- construct, repair or renovate residential buildings (i.e. houses, apartment buildings, condominiums);
- construct, repair or renovate business and commercial buildings (i.e. office towers, shops, malls);
- construct, repair or renovate industrial buildings (i.e. oil refineries, petrochemical plants, power plants);
- perform engineering works (i.e. highways, bridges, pipelines); and
- subdivide and develop land.

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3. Facts, Trends and Outlook
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[1] North American Industry Classification System (NAICS) 2007 major group 23

Section A: Business Environment

1. 2013 Employment and Unemployment Numbers and Rates

Table 1

	Alberta	Construction Industry
Number of employed	2,211,000	231,300
Employment Share	N/A	10.5%
Number of unemployed	107,200	12,200
Unemployment rate	4.6%	5.0%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2014
Note: N/A denotes not-applicable. Employment share is obtained by dividing the number of employment in this industry by total employment in Alberta.

For more information on employment numbers or for a historical comparison, please go to the Labour Force Statistics[2] or Statistics Canada[3] websites.

2. Industry's Growth

- The Construction industry accounted for 10.5% of total employment in Alberta in 2013.
- Employment in this industry is expected to grow at an average rate of 2.5% from 2013 to 2017.
- The industry is expected to account for 11.0% of total employment in Alberta in 2015.

For more information, see the *Alberta Modified Canadian Occupational Projection System (COPS) Outlook 2013 – 2017, Industry Employment Outlook*[4] online and the Alberta Learning Information Service (ALIS)[5] website for descriptions of industries.

[2] See http://work.alberta.ca/labour/labour-force-statistics-and-annual-reviews.html
[3] See http://www.statcan.gc.ca
[4] See http://work.alberta.ca/documents/cops-alberta-industry-outlook-2013-2017.pdf
[5] See http://www.alis.alberta.ca

3. Facts, Trends and Outlook

According to Statistics Canada's National Economic Accounts, the Construction industry accounted for 10.6% of Alberta's Gross Domestic Product in 2012, lower than that in 2001. This industry had the third largest employment and its share of Alberta's total employment increased from 8.4% in 2003 to 10.5% in 2013.

Employment in 2013 was 2.1% higher than its level in 2012. Over the last 10 years, employment (the total number of employees and self-employed people) increased from 146,200 in 2003 to 231,300 in 2013, a 58.2% increase. There were 166,700 employees in the industry in 2012, of whom 95.7% were full-time and 4.3% were part-time. Self-employed people accounted for 26.4% of total employment in the industry in 2012.

Table 2

Characteristic	Alberta	Construction
Median Retirement Age (years)	62.7	65.1
Average Number of Hours Worked per Week	37.8	42.8
Multiple Jobholders (% of total employment)	5.4%	3.0%
Average Job Tenure (months)	88.1	72.8
Employees Under Union Coverage (%)	19.0%	15.1%
Employees Working Overtime per Week (%)	20.2%	25.4%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Tables 282-0022, 282-0031, 282-0042, 282-078 and 282-0084, 2014, and custom tabulation (median retirement age)
Note: The percentage of multiple jobholders in Alberta is obtained by dividing the number of multiple jobholders in Alberta by total employment in Alberta. The percentage of multiple jobholders in the industry is obtained by dividing the number of multiple jobholders in the industry by total employment in the industry. This calculation method also applies to the percentage of employees under union coverage and the percentage of employees working overtime per week.

According to *Alberta Occupational Demand Outlook 2013-2023*[6], employment growth in the following occupations: Plumbers, pipefitters and gas fitters; Carpenters and cabinetmakers; Masonry and plastering trades; Electrical trades; Heavy equipment operators; Crane operators, drillers and blasters; and Other construction trades, is expected to be above Alberta's average rate for all occupations of 1.6%.

[6] See http://work.alberta.ca/labour/occupational-demand-and-supply-forecast.html.

The Construction Sector Council's (CSC) forecast report, *Construction Looking Forward, An Assessment of Construction Labour Markets from 2013 to 2021 for Alberta*, estimates that employment in the industry will increase by 14,000 during the forecast period.

The outlook for investment in Alberta is an important driver of the demand for construction trades. The CSC current outlook can be seen in the table below.

Table 3

Investment Expenditures, Alberta, 2011-2020						
	2011	2012	2013	2014	2015	2016-2020*
Residential Investment (includes new housing, renovations and maintenance)						
2002 $Millions	8,287	9,385	9,949	10,569	10,865	11,983
% Change	-5.2	13.2	6.0	6.2	2.8	2.0
Non-residential Investment (includes engineering construction, building construction, industrial construction, commercial construction, institutional and government construction and maintenance)						
2002 $Millions	25,240	26,166	26,462	26,312	27,547	33,413
% Change	7.6	3.7	1.1	-0.6	4.7	4.0

Source: *Construction Looking Forward – An Assessment of Construction Labour Markets from 2012 to 2020 for Alberta*, Construction Sector Council
*Growth rates are averages for the period, while levels are 2020 values.

4. Size of Businesses in Alberta and the Industry

Table 4

Establishment Size	Businesses in Alberta		Businesses in Construction	
	Number of Employees	%*	Number of Employees	%*
Less than 20 employees	654,800	35.5%	71,600	41.5%
20 to 99 employees	648,500	35.1%	60,000	34.8%
100 to 500 employees	352,600	19.1%	29,700	17.2%
Over 500 employees	189,500	10.3%	11,100	6.4%

Data Source: Statistics Canada, Labour Force Survey, CANSIM 282-0076, 2014
* Percentages may not add up to 100 due to rounding.
Note: Statistics Canada's survey methodology for determining establishment size differs from the one it uses in the Labour Force Survey to determine total employment. As a result, the total number of employees by establishment size will not be the same as total employment in the industry, except by coincidence.

Section B: Human Resources Profile

1. Occupational Information

Some examples of occupations in the Construction industry include:

- bricklayer;
- carpenter;
- electrician;
- roofer; and
- steam fitter-pipe fitter.

For a complete listing of all occupations related to this industry as well as detailed information on educational and skill requirements, visit the Alberta Occupational Profiles[7] website.

2. Demographics: Gender and Age

According to the Labour Force Survey, the gender breakdown in the Construction industry in 2013 was as follows:

- women employed: 36,100 people, or 15.6%
- men employed: 195,300 people, or 84.4%

Overall in Alberta, women accounted for 45.0 % and men made up 55.0 % of total employment (for all industries).

Table 5

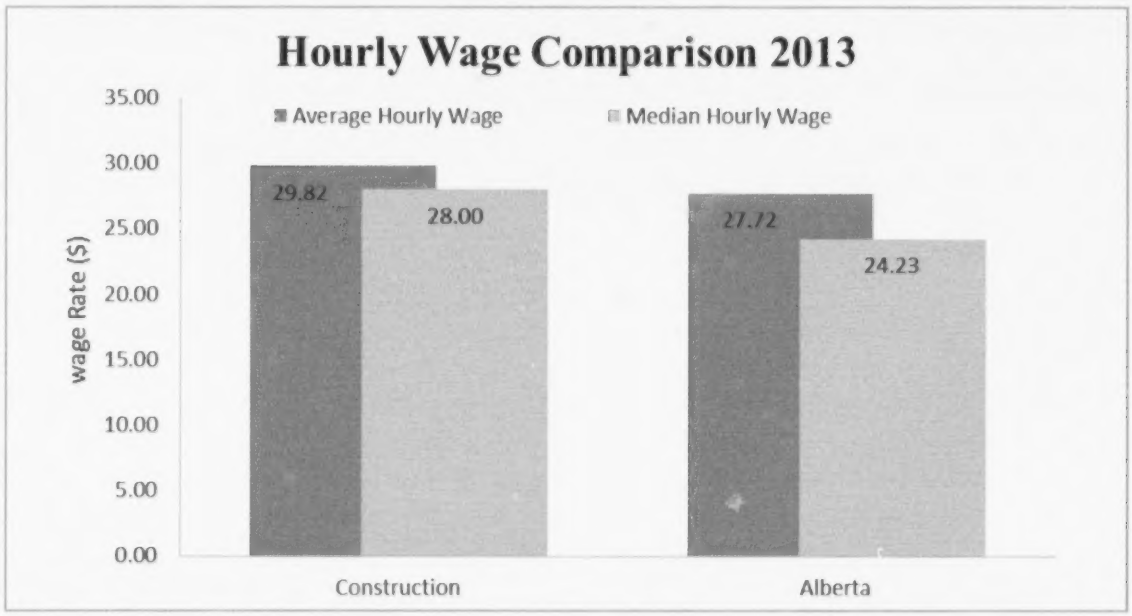
Age Characteristics	Employment in Alberta		Employment in Construction	
	Number	%	Number	%
15-24 years	317,600	14.4%	30,000	13.0%
25-54 years	1,496,200	67.7%	167,600	72.5%
55 years and over	397,200	17.9%	33,700	14.6%

Data Source: Statistics Canada, Labour Force Survey, CANSIM 282-0008, 2014

[7] See http://www.alis.alberta.ca/occinfo

3. Wages

Chart 1



Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0072, 2014
Note: The average hourly wage is obtained by dividing the sum of the wages of all the employees by the total number of employees. The median hourly wage is that wage below which half the employees earn and above which half the employees earn.

Wage and Salary Information for Selected Occupations

Table 6

Occupation	Average Hourly Wage			Average Annual Salary
	Starting	Overall	Top	
Welders and related machine operator	$ 31.76	$ 36.90	$ 42.38	$ 91,393
Electrician	$ 27.55	$ 35.13	$ 41.62	$ 77,725
Carpenter	$ 28.03	$ 32.53	$ 37.64	$ 72,190
Steamfitter-Pipefitter	$ 28.23	$ 33.40	$ 40.90	$ 76,296

Data Source: 2013 Alberta Wage and Salary Survey

Section C: Additional Information

For more information on the *2013 Alberta Wage and Salary Survey*, refer to the WAGEinfo[8] website. For job descriptions, duties, required skills and education requirements for specific occupations in the Construction industry, visit the ALIS[9] website.

Links to Industry Associations

- Alberta Construction Association (http://albertaconstruction.net)
- Alberta Construction Safety Association (http://www.acsa-safety.org)
- Alberta Roadbuilders and Heavy Construction Association (http://www.arhca.ab.ca)
- Calgary Construction Association (http://www.cca.cc)
- Calgary Region Home Builders Association (http://www.chbacalgary.com)
- Canadian Home Builders' Association - Alberta (http://chbaalberta.ca)
- Construction Owners Association of Alberta (http://www.coaa.ab.ca)
- Construction Sector Council (http://www.csc-ca.org)
- Edmonton Construction Association (http://www.edmca.com)
- Electrical Contractors Association of Alberta (http://www.ecaa.ab.ca)
- Merit Contractors Association (http://www.meritalberta.com)

[8] See http://www.alis.alberta.ca/wageinfo
[9] See http://www.alis.alberta.ca

Call us or visit our website for more information or to find the following publications:

- 2013 Annual Alberta Labour Market Review
- Monthly Alberta Labour Force Statistics Highlights and Packages
- Alberta's Occupational Demand and Supply Outlook
- Alberta Labour Force Profiles
- Alberta Industry Profiles

www.work.alberta.ca/labour.html (see Labour Market Information)
In Edmonton: 780.422.4266
Long distance: 1.800.661.3753

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